

# mCODE, CODEX Accelerator Experience

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**Alliance for Clinical Trials in Oncology**

# ASCO CancerLinQ®

Shaping The Future Of Cancer Care



## Tobacco Use Assessment\*

Value	Distinct Patients
Non-smoker	560,281
Never smoked tobacco	462,842
Ex-smoker	373,431
Current smoker	121,186
Unknown tobacco consumption	83,550
Smokes tobacco daily	81,250
Occasional tobacco smoker	22,607
Heavy smoker	5,898
Light tobacco smoker	3,478
Tobacco user	576
Current tobacco non-user	212
Chews tobacco	160
Passive smoker	140
Smokeless tobacco	96
Pipe smoker	23

\*>15.5 million entries

Subset of **51** different representations

### EMRs:

Allscrips    Epic  
Aria        Mosaiq  
Centricity    OncoEMR  
CureMD      NextGen

# STRUCTURED DATA ELEMENTS FROM CURRENT EHRs

## GENERALLY AVAILABLE

- Diagnosis codes
- Encounter codes
- Infused medications
- Laboratory tests
- Smoking/Pain assessments
- Physical exam values

## SOMETIMES AVAILABLE

- Staging (group and individual elements)
- Oral medications
- ER/PR/HER2 status
- ECOG performance scores
- Hospice referral

## GENERALLY NOT AVAILABLE

- Histology
- Genetic tests
- Treatment intent
- Surgery
- Radiation Therapy
- Imaging results
- **Disease status (progressing, stable, NED)**

# mCODE™

**Purpose:** To develop and maintain standard computable data formats, known as Minimal Common Oncology Data Elements (mCODE), to achieve data interoperability and enable progress in clinical care quality initiatives, clinical research, and healthcare policy development

**MITRE**

**ASCO**

AMERICAN SOCIETY OF CLINICAL ONCOLOGY

**FDA**

**ASTRO**

TARGETING CANCER CARE

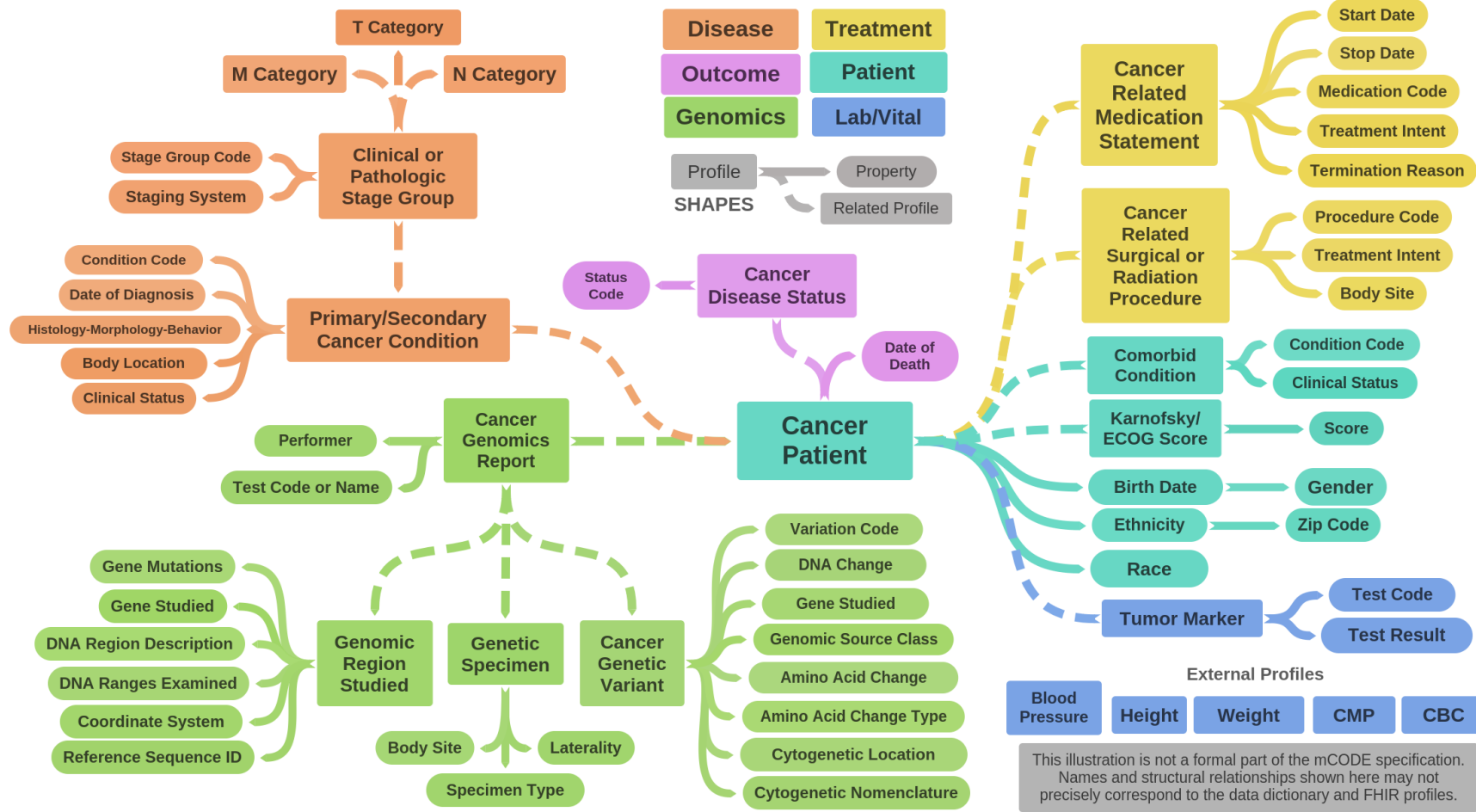


**Alliance**  
for Clinical Trials  
in Oncology  
**FOUNDATION**

**SSO** Society of  
Surgical  
Oncology.

 **HL7 FHIR**

# mCODE v1.0



\*...put tools for language growth in the hands of the users



# A New HL7 FHIR Accelerator








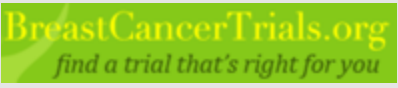








**Codex**<sup>TM</sup>

Common Oncology Data Elements eXtensions

<http://hl7.org/CodeX>

A community and platform to accelerate interoperable data modeling and implementation around mCODE, leading to step-change improvements in cancer care and research

# Growing Codex Community Working across Use Case Projects

Use Case	Currently working on project
Clinical Trials Data Management	   
Clinical Trials Matching	   
Registries	 
Radiation Oncology Care Coordination	 
Clinical Care Pathways	
Prior Authorization	

# mCODE Initial Collaborators

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